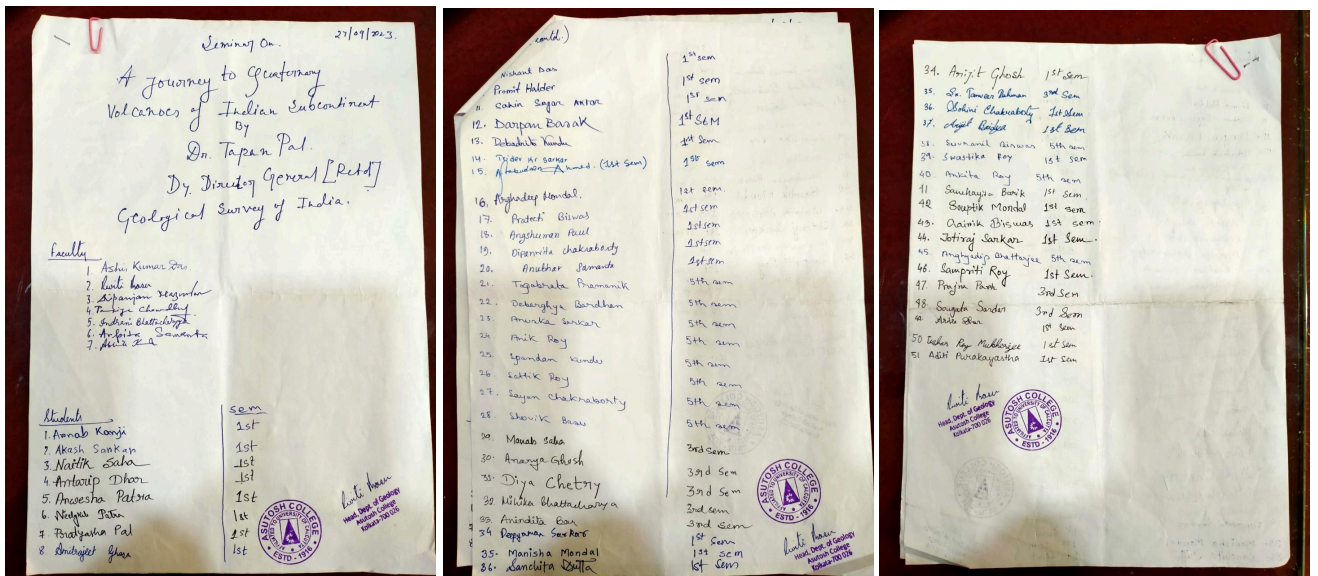


REPORT: Seminar organized by the Department of Geology Asutosh College, in collaboration with the Geological Survey of India.

- **THEME OF THE EVENT/ PROGRAMME(SEMINAR/ WEBINAR/ WORKSHOP/ EXTENSION LECTURE/ EXTENSION ACTIVITY/ ANY OTHER ACTIVITY):** A Journey to Quaternary Volcanoes of Indian Subcontinent
- **ACADEMIC SESSION:**2023-2024
- **DATE:**27-09-2023
- **VENUE:**Seminar Hall, Centenary Building, Asutosh College
- **OBJECTIVE/ PURPOSE:** Encourage students to explore research opportunities in volcanic eruptions study by offering insights into current developments and research status within the field.
- **SPEAKER/S / RESOURCE PERSON/S:** Dr.Tapan Pal (Retd. Director GSI)
- **TARGET AUDIENCE/ PARTICIPANTS:** Students of the Geology Department
- **ATTENDANCE SHEET:**Provided below

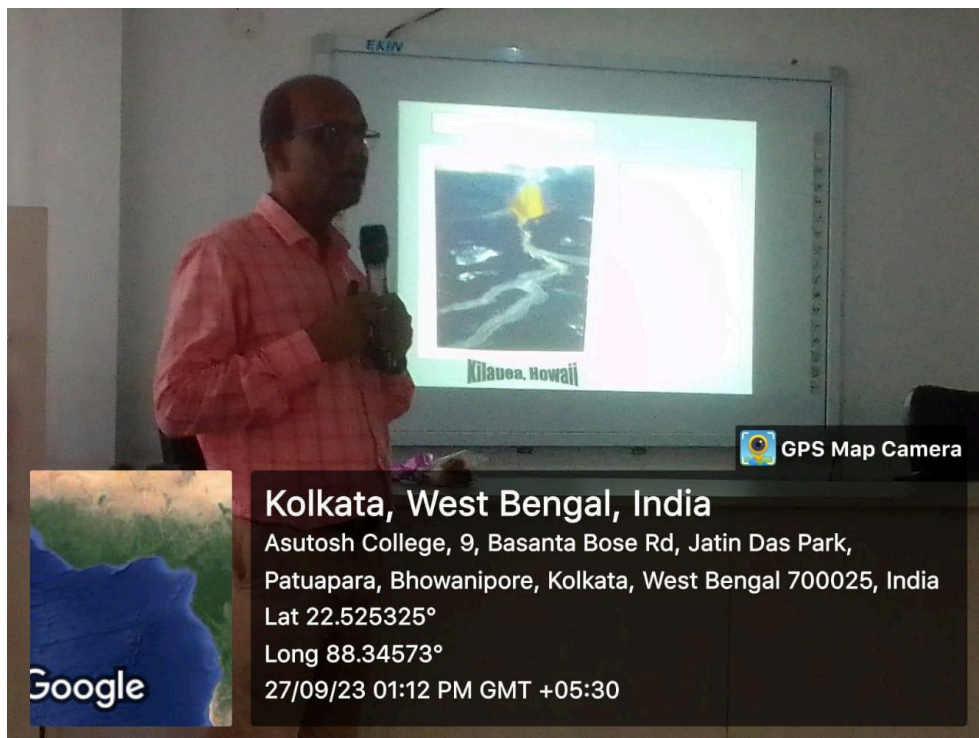


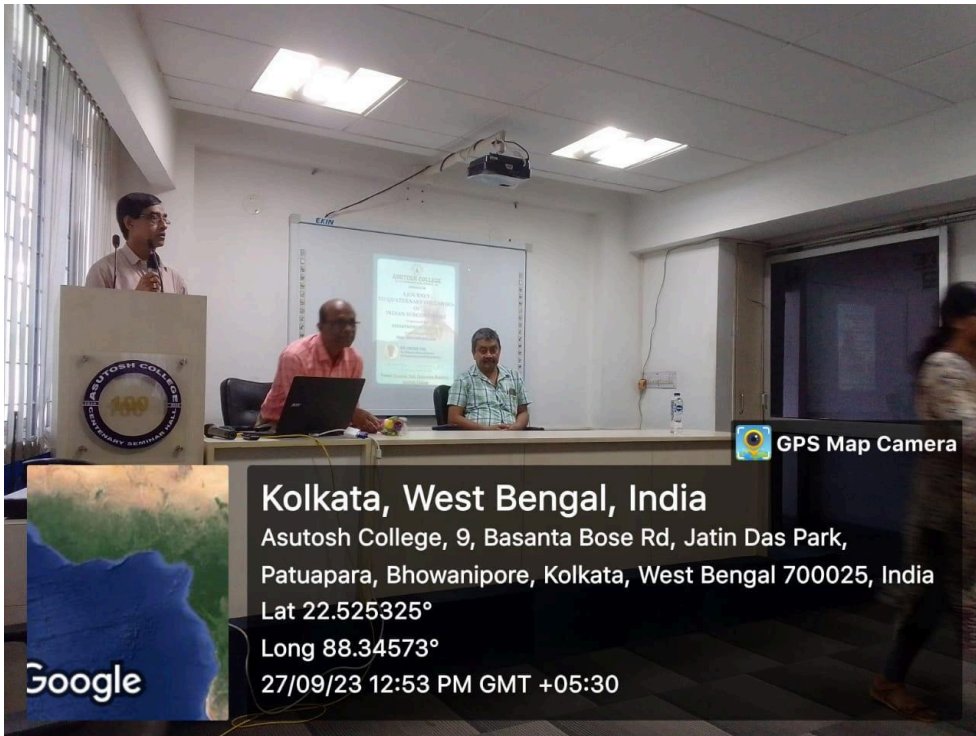
BRIEF REPORT ABOUT THE EVENT/ PROGRAMME: The Indian subcontinent is habitat of numerous volcanoes, most of which are extinct or dormant. However, a few significant ones fall under the quaternary period, such as Barren Island in the Andaman Sea and Narcondam in the Andaman Sea. These volcanoes provide valuable insights into volcanic processes, such as magma composition, eruption conditions, and mechanisms. They also help in assessing potential risks posed by active volcanoes. Volcanic rocks also serve as markers for geological mapping and reconstructions, helping geologists understand the history of

volcanic activity and tectonic processes shaping the Earth's surface. They can also be used for radiometric dating to establish the timing of geological events, such as volcanic eruptions, sedimentation, and tectonic movements. Studying the Earth's interior provides clues about the composition and structure of the Earth's interior, including the mantle, crust, and other deep Earth processes. Some volcanic rocks contain valuable minerals, such as gold, silver, and copper, which can help identify potential mineral deposits and guide resource exploration efforts. Overall, the objective of this research-based seminar for students is to provide them with a platform to engage in scholarly activities, develop their research skills, and prepare them for future academic and professional activities.

EXPECTED OUTCOME: The seminar aims to increase interest among students, thereby raising awareness of volcanic hazards. Future research directions will identify gaps in knowledge and areas for further study in Indian subcontinent volcanoes. Seminar can also help future students become aware of this type of research topics and trends in the field, which can guide their own research interests and studies.

□ **GEO-TAGGED PHOTOGRAPHS:**



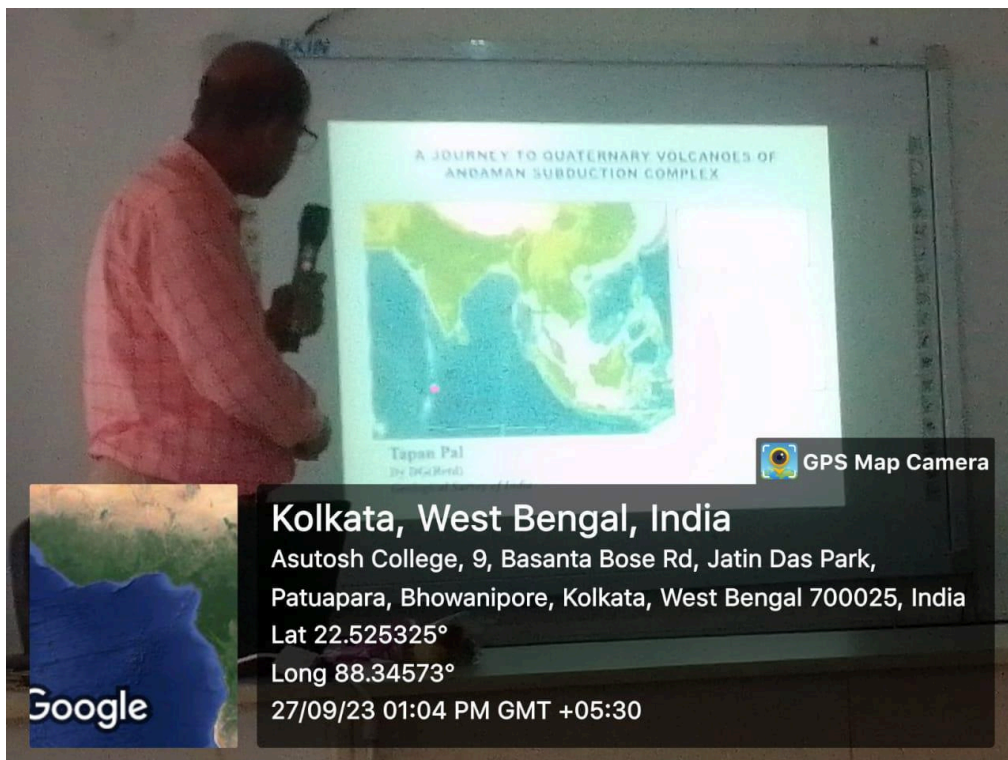


Kolkata, West Bengal, India

Asutosh College, 9, Basanta Bose Rd, Jatin Das Park,
Patuapara, Bhowanipore, Kolkata, West Bengal 700025, India
Lat 22.525325°
Long 88.34573°
27/09/23 12:53 PM GMT +05:30

Google

GPS Map Camera



Kolkata, West Bengal, India

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Patuapara, Bhowanipore, Kolkata, West Bengal 700025, India
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Long 88.34573°
27/09/23 01:04 PM GMT +05:30

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